

Patent Abstracts of Japan

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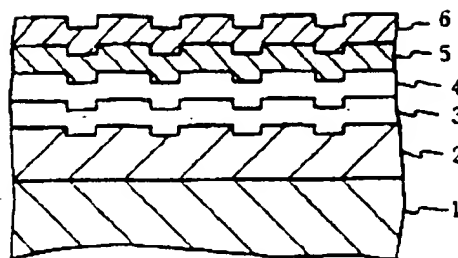
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TITLE : MAGNETIC DISK, MANUFACTURING
 METHOD AND MAGNETIC DISK
 DEVICE



ABSTRACT : PURPOSE: To reduce the frictional force and the attraction to a head to improve the floating stability of the head at the time of recording and reproducing by forming ruggedness as grooves in the peripheral direction and uniformizing the width of grooves and flattening upper faces of projecting parts between grooves.

CONSTITUTION: Respective layers such as a foundation layer 2, an intermediate layer 3, a magnetic layer 4, a protective layer 5, and a lubricant layer 6 are formed on the substrate of an aluminium alloy disk 1, and thereby, the groove form formed on the substrate is approximately kept except that a maximum roughness of upper faces of projecting parts between grooves is increased. With respect to a magnetic disk having the magnetic layer on the nonmagnetic substrate, the practically flat disk surface is provided with plural arcuate continuous or discontinuous grooves having an approximately fixed width, and the magnetic layer is continuously provided from bottoms of grooves to parts between grooves. Thus, the frictional force and the attraction to the head are reduced to secure the floating stability of the head at the time of recording and reproducing.

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